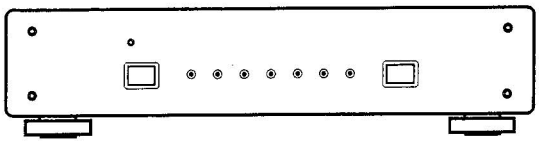
TEAC



SERVICE MANUAL

D-T1

Multi D/A Converter

Effective: January, 1995

D00107600A

1 SPECIFICATIONS
仕　様

AUDIO	
Number of Channels	2
Frequency Response	1～15,000Hz ± 0.3dB (32kHz) 1～20,000Hz ± 0.3dB (44.1kHz) 1～22,000Hz ± 0.3dB (48kHz)
Signal to Noise Ratio	Better than 110dB (1kHz)
Dynamic Range	Better than 100dB (1kHz)
Harmonic Distortion	0.002 % (1kHz)
Channel Separation	Better than 107dB (1kHz)
Analog Output	2.2Vrms/47k Ω
Digital Inputs	0.5Vp-p/75 Ω (COAXIAL) × 2 – 15～– 21dBm (OPTICAL) × 2
D/A Conversion	Bitstream
Digital Filter	8-times oversampling 18-bit digital filter
Analog Filter	3rd order Butterworth filter

GENERAL	
Power Requirements	120/230V AC, 50-60Hz (General Export Model) 120V AC, 60Hz (U.S.A./Canada Model) 230V AC, 50Hz (Europe/U.K. Model)
Power Consumption	12watts
Dimensions (W x H x D)	442 × 104 × 331mm (17-3/8" × 4-1/8" × 13-1/16")
Weight (net)	7.2kg (15-14/16 lbs)

- Specifications were determined using a sampling frequency of 44.1 kHz except as noted.
- Improvements may result in specification or feature changes without notice.

〈オーディオ〉	
オーディオチャンネル数	2チャンネル
周波数特性	1～15,000Hz ± 0.3dB (32kHz) 1～20,000Hz ± 0.3dB (44.1kHz) 1～22,000Hz ± 0.3dB (48kHz)
SN比	110dB以上(EIAJ)
ダイナミックレンジ	100dB以上(EIAJ)
高調波歪率	0.002％以下(EIAJ)
チャンネルセパレーション	107dB以上(EIAJ)
アナログ出力	2.2Vrms/47k Ω
デジタル入力	0.5Vp-p/75 Ω (COAXIAL) × 2 – 15～– 21dBm (OPTICAL) × 2
D/Aコンバーター	ビットストリーム
デジタルフィルター	8倍オーバーサンプリング 18ビットデジタルフィルター
アナログフィルター	3次バターワースフィルター

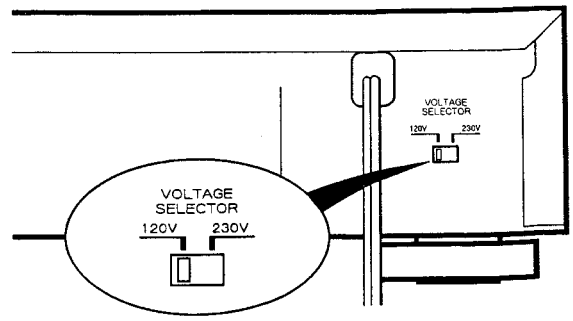
〈一般〉	
電源	100V AC 50-60Hz
消費電力	12W
外形寸法	442 × 104 × 331mm (W × H × D)
重量	7.2kg

〈付属品〉
- 取扱説明書

●仕様および外観は、改善のため予告なく変更することがあります。

VOLTAGE CONVERSION
(For U.S.A./Canada/General Export Models)

Be sure to remove the power cord from the AC outlet before repositioning the voltage converter switch.
1. Locate the voltage selector on the rear panel.
2. Using a flat-bladed screwdriver, set to the appropriate 230 V or 120 V position according to your area.



2 ADJUSTMENT AND CHECKS
調整と確認

2-1 Distortion check

1. Connect the Distortion meter to the LINE OUT.
2. Input the digital output of the CD Transport (VRDS-T1 etc.) to the DIGITAL IN of the D-T1.
3. Play the track 2 (1kHz, 0dB) of the MCD-111, and check that the distortion are within the specified values.
   Specification : 0.004 % or less (20kHz L.P.F. in)

2-2 Output DC offset check

1. Connect the DC voltmeter to the LINE OUT.
2. Play the track 7 (non-signal) of the MCD-111, and check that the offset voltage are within the specified values.
   Specification : 0 ± 5mV

2-3 Output level check

1. Connect the AC voltmeter to the LINE OUT.
2. Play the track 2 (1kHz, 0dB) of the MCD-111, and check the output level.
   Specification : 2.2 ± 0.5Vrms

2-4 Frequency response check

1. Play the track 3 – 6 (20Hz – 20kHz, 0dB) of the MCD -111, and check that the output level are within the specified values with respect to the 1kHz reference level.
   Specification : 0 ± 1.0dB

2-5 S/N check

1. Play the track 7 (non-signal) of the MCD-111, and check that the noise level are within the specified values with respect to the 1kHz reference level.
   Specification : 100dB or more (DIN AUDIO)

2-6 Channel separation check

1. Play the track 8 (L : 1kHz/R : non-signal) of the MCD -111, and check the leakage from Lch to Rch.
2. In the same way, play the track 10 (R : 1kHz/L : non -signal) of the MCD-111, and check the leakage from Rch to Lch.
   Specification : 100dB or more (DIN AUDIO)

2-1 歪率チェック

1. LINE OUT端子に歪率計を接続する。
2. CDトランスポート(VRDS-T1など)のデジタル出力をD-T1のDIGITAL IN端子に入力する。
3. MCD-111の2曲目(1kHz, 0dB)を再生し、歪率が規格内であることを確認する。
   規格 : 0.004 %以下(20kHz L.P.F. in)

2-2 出力DCオフセットチェック

1. LINE OUT端子にDCボルトメーターを接続する。
2. MCD-111の7曲目(無信号)を再生し、オフセット電圧が規格内であることを確認する。
   規格 : 0 ± 5mV

2-3 出力レベルチェック

1. LINE OUT端子にACボルトメーターを接続する。
2. MCD-111の2曲目(1kHz, 0dB)を再生し、出力レベルを確認する。
   規格 : 2.2 ± 0.5Vrms

2-4 周波数特性チェック

1. MCD-111の3~6曲目(20Hz~20kHz, 0dB)を再生し、基準レベル(1kHz, 0dB)に対し規格内にあることを確認する。
   規格 : 0 ± 1.0dB

2-5 S/Nチェック

1. MCD-111の7曲目(無信号)を再生し、ノイズレベルが基準レベルに対し規格内であることを確認する。
   規格 : 100dB以上 (DIN AUDIO)

2-6 チャンネルセパレーションチェック

1. MCD-111の8曲目(L : 1kHz/R : 無信号)を再生し、Rchへの漏れを確認する。
2. 同様に10曲目(R : 1kHz/L : 無信号)を再生し、Lchへの漏れを確認する。
   規格 : 100dB以上 (DIN AUDIO)

2-7 Emphasis effect check

1. Play the track 13 (16kHz) of the MCD-111, and check that the output level are within the specified values with respect to the 1kHz reference level.
   Specifications : − 20 ± 1.0dB (MCD-111)
   − 9.0 ± 1.0dB (YEDS-18)

2-7 エンファシス効果チェック

1. MCD-111の13曲目(16kHz)を再生し、出力レベルが基準レベルに対し規格内であることを確認する。
   規格 : − 20 ± 1.0dB (MCD-111)
   − 9.0 ± 1.0dB (YEDS-18)

PARTS LIST SECTION

NOTES

- PC boards shown are viewed from parts side.
- Parts marked with ＊ require longer delivery time.
- The parts with no reference number or no parts number in the exploded views are not supplied.
- As regards the resistors and capacitors, refer to the circuit diagrams contained in this manual.
- ⚠ Parts marked with this sign are safety critical components. They must be replaced with identical components - refer to the appropriate parts list and ensure exact replacement.
- Parts of [ ] mark can be used only with the version designated.
  [J]:JAPAN [US]:U.S.A. [C]:CANADA [GE]:GENERAL EXPORT
  [E]:EUROPE [UK]:U.K.
  D-T1(N):Gold Version D-T1(B):Black Version

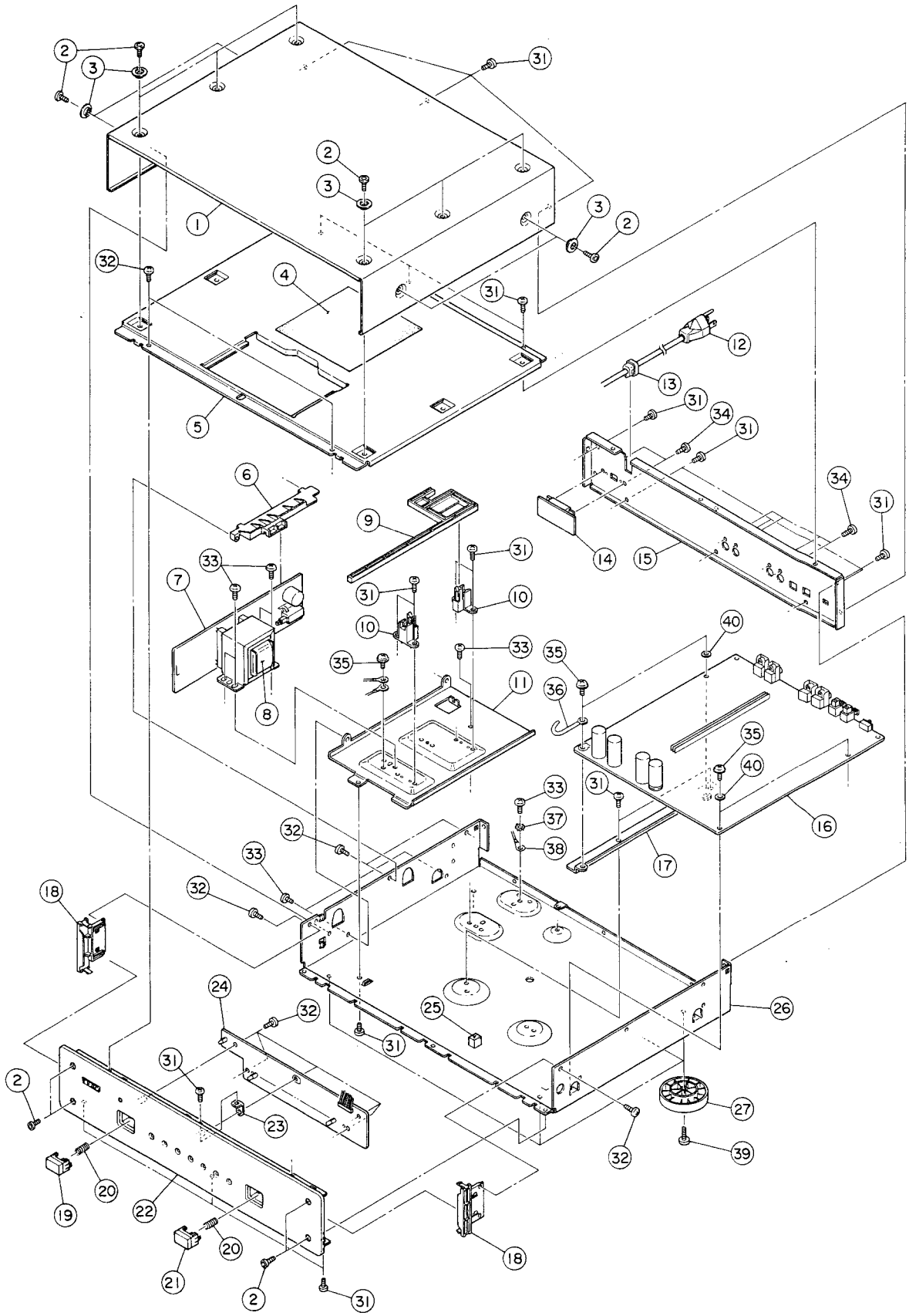
注 意

- プリント基板図は部品面が示されています。
- ＊印の部品は納期が若干かかります。
  あらかじめご了承ください。
- 分解図に部番のない部品及び品番のない部品は供給しません。
- 標準の抵抗、コンデンサーは省略してあります。
  回路図を参照してください。
- ⚠印は安全重要部品です。
  交換する時は必ずティアック指定の部品を使用してください。
- 仕向先
  [J]:JAPAN [US]:U.S.A. [C]:CANADA [GE]:GENERAL EXPORT
  [E]:EUROPE [UK]:U.K.
  D-T1(N):Gold Version D-T1(B):Black Version

3 EXPLODED VIEWS AND PARTS LIST

分解図とパーツリスト

EXPLODED VIEW-1



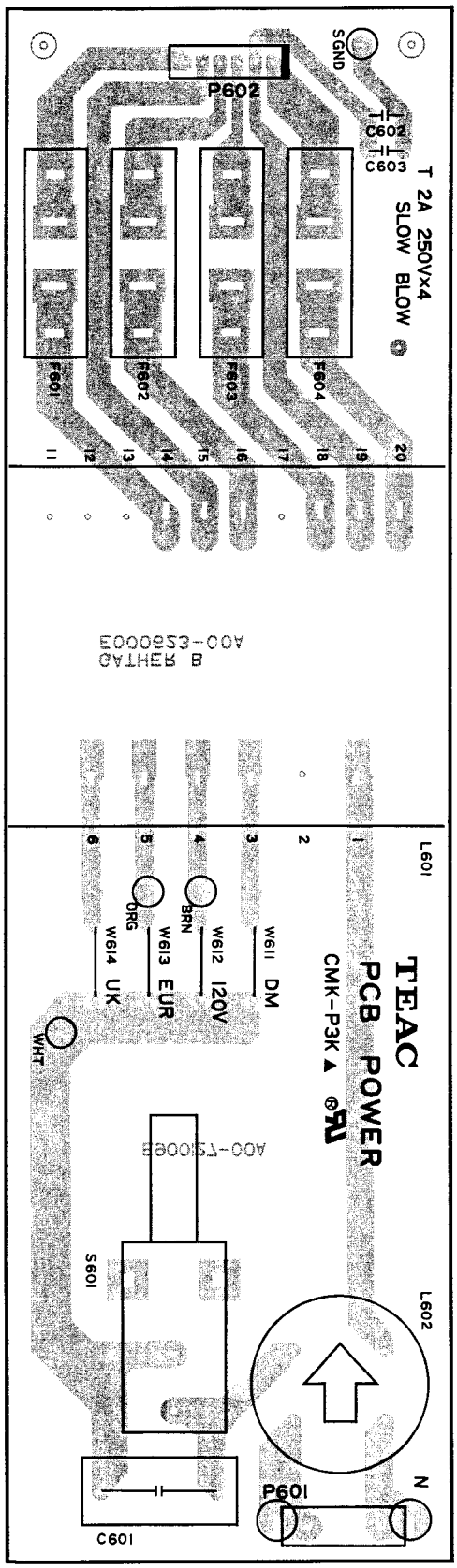
EXPLODED VIEW-1

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
1- 1	*M00096000A	BONNET, N [J, GE] ·····	D-T1(N)
	*M00096001A	BONNET, B [US, C, GE, E, UK] ·····	D-T1(B)
1- 2	*5801532500	BOLT, HEXAGON SOCKET B [J, GE] ·····	D-T1(N)
	*5801539500	BOLT, HEXAGON SOCKET B (BLK) [US, C, GE, E, UK]	D-T1(B)
1- 3	*5801532900	COLLAR	
1- 4	*5801598300	RUBBER SHEET, 125X125 0.5T	
1- 5	*M00263400A	CHASSIS, TOP 1.6T	
1- 6	*M00187400A	HOLDER, POWER PCB	
1- 7	*E95012700A	PCB ASSY, POWER [J]	
	*E95012730A	PCB ASSY, POWER [US, C, GE]	
	*E95012740A	PCB ASSY, POWER [E]	
	*E95012750A	PCB ASSY, POWER [UK]	
1- 8	⚠ E00083000A	POWER TRANSFORMER	
1- 9	*M00094800A	ROD, POWER SW	
1-10	*M00162900A	HOLDER, ROD	
1-11	*M00127600A	BRACKET, TRANS	
1-12	⚠ 5128089000	AC CORD, CLASS 1 [E]	
	⚠ 5350018400	AC CORD [J]	
	⚠ 5350019000	AC CORD, BS 3-WIRE [UK]	
	⚠ 5350019100	AC CORD, CSA 3-WIRE [US, C, GE]	
	⚠ 5350019300	AC CORD, UL SPT-2 [GE]	
1-13	⚠*5317003400	BUSHING, 2271 [GE]	
	⚠*5317005600	BUSHING, 2272 [J, US, C, GE, E, UK]	
1-14	*E95012800A	PCB ASSY, VOLTAGE SELECTOR [US, C, GE]	
1-15	*M00094400A	REAR PANEL [J, E, UK]	
	*M00094401A	REAR PANEL [US, C, GE]	
1-16	*E95012500A	PCB ASSY, MAIN	
1-17	*M00095300A	BRACKET, PCB	
1-18	*M00096300A	STOPPER, SIDE	
1-19	5801531001	BUTTON CAP (P) ASSY [J, GE] ·····	D-T1(N)
	5801539601	BUTTON CAP (P) ASSY (BLK) [US, C, GE, E, UK] ····	D-T1(B)
1-20	*5801070200	POWER SPRING	
1-21	M00095500A	BUTTON ASSY, INPUT N [J, GE] ·····	D-T1(N)
	M00095600A	BUTTON ASSY, INPUT B [US, C, GE, E, UK] ·····	D-T1(B)
1-22	*M00096400A	FRONT PANEL ASSY, N [J, GE] ·····	D-T1(N)
	*M00096500A	FRONT PANEL ASSY, B [US, C, GE, E, UK] ·····	D-T1(B)
1-23	*M00096200A	PLATE, EARTH	
1-24	*E95012600A	PCB ASSY, DISPLAY	
1-25	*M00179900A	CUSHION, 10X12X14T	
1-26	----------	CHASSIS, MAIN (CU)	
1-27	5801414900	FOOT ASSY	
1-31	*5783823006	SCREW, BIND B-TITE M3X6 (NI BLK)	
1-32	*5783603008	SCREW, BIND P-TITE M3X8	
1-33	*5783034006	SCREW, BIND S-TITE M4X6	
1-34	*5783543008	SCREW, BIND P-TITE M3X8 (NI BLK)	
1-35	*B00022600A	SCREW, CUP B 3X6 (CU)	
1-36	*5786713000	HARNESS CLIP, 3.0X9.1X50	
1-37	*5785124000	WASHER, TOOTHED LOCK [US, C, GE, E, UK]	
1-38	*5786700600	EARTH LUG [US, C, GE, E, UK]	
1-39	*5783034020	SCREW, BIND S-TITE M4X20	
1-40	*5785313100	WASHER, POLY 3X9X0.5T	

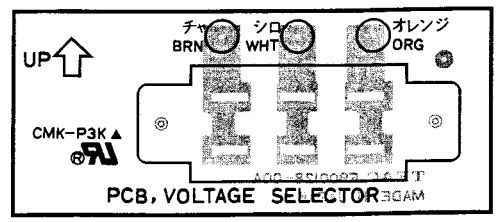
4 PC BOARDS AND PARTS LIST

基板図とパーツリスト

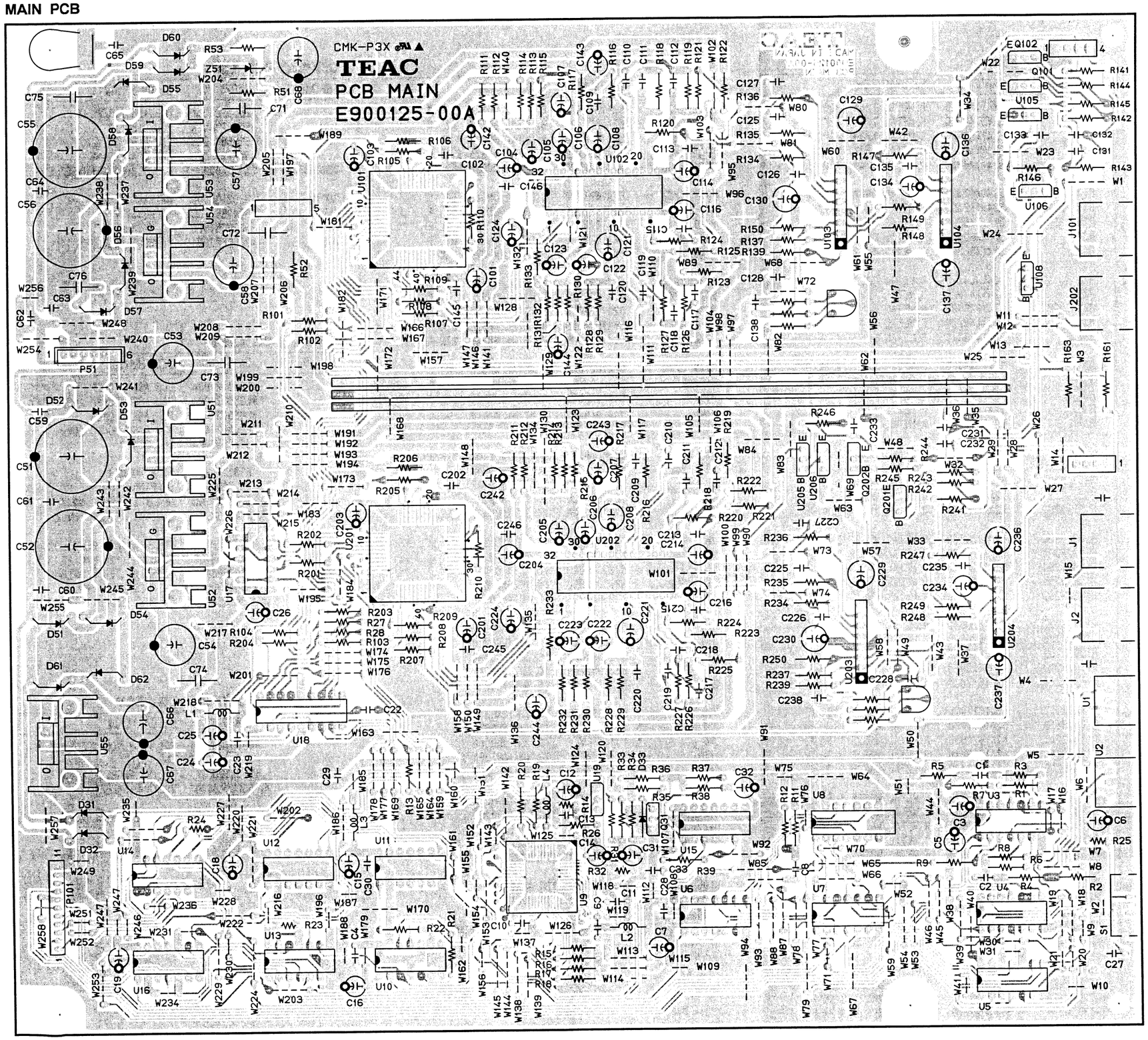
POWER PCB



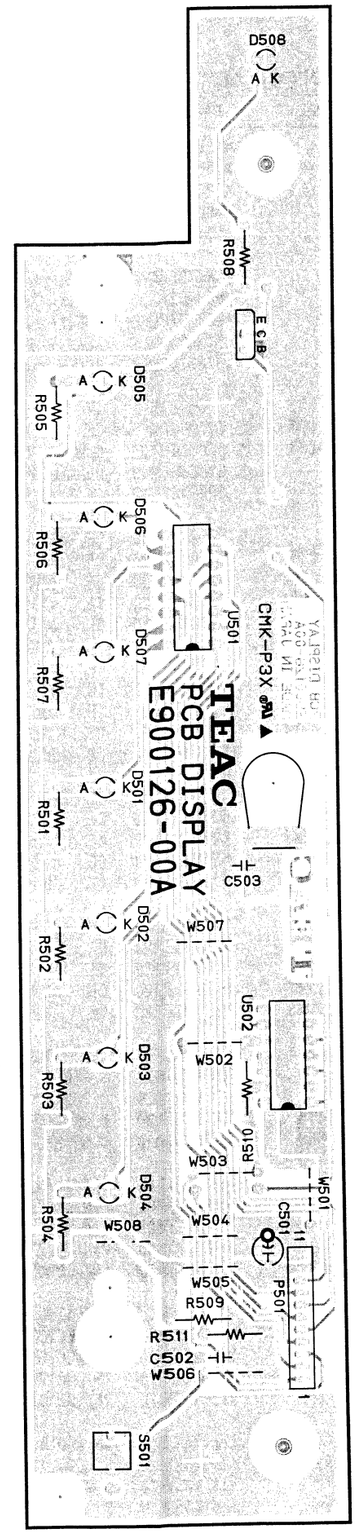
VOLTAGE SELECTOR PCB



MAIN PCB



DISPLAY PCB



MAIN PCB ASSY

REF. NO.		PARTS NO.	DESCRIPTION
		*E95012500A	PCB ASSY, MAIN
		*E90012500A	PCB, MAIN
		*5801385900	EARTH PLATE
		*5801062000	EARTH PLATE E
		5555590000	EARTH PLATE A
		*5347023000	SHEILD SHEET (CU) A
		*5347026100	SHEILD SHEET (CU) 27X8
		*5347028200	SHEILD SHEET (CU) 11X11
		5730039200	HEAT SINK
		*5783743008	SCREW, BIND S-TITE M3X8 (CU)
C51 , C52	⚠	C0000000	CE, 4700UF 25V
C55 , C56	⚠	C0000000	CE, 4700UF 25V
C59 -C64	⚠	5263166723	C, METAL 0.010UF 50V
C66	⚠	5260466210	CE, 2200UF 25V M AU
C67		5260465510	CE, 1000UF 16V M AU
C68	⚠	5260425910	CE, 470UF 25V M
C101, C201		5260462720	CE, 47UF 25V M AU
C103, C203		5260462720	CE, 47UF 25V M AU
C104, C204		5260462720	CE, 47UF 25V M AU
C105, C205		5260462720	CE, 47UF 25V M AU
C106, C206		5260462720	CE, 47UF 25V M AU
C107, C207		5260462720	CE, 47UF 25V M AU
C108, C208		5260463820	CE, 220UF 25V M AU
C114, C214		5260463220	CE, 100UF 25V M AU
C116, C216		5260463220	CE, 100UF 25V M AU
C121, C221		5260463820	CE, 220UF 25V M AU
C122, C222		5260462720	CE, 47UF 25V M AU
C123, C223		5260462720	CE, 47UF 25V M AU
C124, C224		5260462720	CE, 47UF 25V M AU
C129, C229		5260463320	CE, 100UF 35V M AU
C130, C230		5260463320	CE, 100UF 35V M AU
C136, C236		5260463320	CE, 100UF 35V M AU
C137, C237		5260463320	CE, 100UF 35V M AU
C142, C242		5260462720	CE, 47UF 25V M AU
C143, C243		5260462720	CE, 47UF 25V M AU
C144, C244		5260462720	CE, 47UF 25V M AU
D31 , D32	⚠	5224016420	D, S5688G
D33		5224012920	D, 1S2473
D51 -D58	⚠	5224018120	D, FEID-G23
D59 , D60	⚠	5224016420	D, S5688G
D61 , D62	⚠	5224018120	D, FEID-G23
J1 , J2		5330512700	PIN JACK, 1P
J101		5330513700	PIN JACK, 1P
J201		5330513800	PIN JACK, 1P
L1 -L3		5286033520	COIL, CHOKE 4.7UH K
L4		14727479	INDUCTOR FERRITE BEADS
P51		5336303600	CONNECTOR PLUG, 6P (WHT)
P101		5336250100	CONNECTOR PLUG, 11P (WHT)
Q31		5230781120	TR, 2SC1740SLN
Q101, Q201		5231762520	TR, 2SD1915TA
Q102, Q202		5231762520	TR, 2SD1915TA
R1 , R2		5241145520	R, METAL 1/4W 75 F
R3 , R4		5241145820	R, METAL 1/4W 100 F
R5 , R6		5241155420	R, METAL 1/4W 1.0M F
R7 , R8		5241153020	R, METAL 1/4W 100K F

MAIN PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
R9	5241146620	R, METAL 1/4W 220 F
R10	5241148220	R, METAL 1/4W 1.0K F
R11	5241150620	R, METAL 1/4W 10K F
R12	5241148220	R, METAL 1/4W 1.0K F
R13	5241146220	R, METAL 1/4W 150 F
R14	5241457420	R, METAL CRB20 470 F
R15 -R18	5241152220	R, METAL 1/4W 47K F
R19 -R22	5241145820	R, METAL 1/4W 100 F
R23	5241460620	R, METAL CRB20 10K F
R24	5241455820	R, METAL CRB20 100 F
R25	5241462220	R, METAL CRB20 47K F
R26	5241147020	R, METAL 1/4W 330 F
R27 , R28	5241620620	R, METAL MRS25 220 F
R31	5241148220	R, METAL 1/4W 1.0K F
R32	5241459820	R, METAL CRB20 4.7K F
R33	5241149420	R, METAL 1/4W 3.3K F
R34	5241150820	R, METAL 1/4W 12K F
R35	5241150620	R, METAL 1/4W 10K F
R36	5241153620	R, METAL 1/4W 180K F
R37	5241153020	R, METAL 1/4W 100K F
R38	5241145820	R, METAL 1/4W 100 F
R39	5241155420	R, METAL 1/4W 1.0M F
R51 , R52	5241623020	R, METAL MRS25 2.2K F
R53	5241622220	R, METAL MRS25 1.0K F
R101, R201	5241620620	R, METAL MRS25 220 F
R102, R202	5241620620	R, METAL MRS25 220 F
R103, R203	5241620620	R, METAL MRS25 220 F
R104, R204	5241620620	R, METAL MRS25 220 F
R105, R205	5241620620	R, METAL MRS25 220 F
R106, R206	5241617420	R, METAL MRS25 10 F
R107, R207	5241620620	R, METAL MRS25 220 F
R108, R208	5241620620	R, METAL MRS25 220 F
R109, R209	5241620620	R, METAL MRS25 220 F
R110, R210	5241629420	R, METAL MRS25 1.0M F
R111, R211	5241617420	R, METAL MRS25 10 F
R112, R212	5241617420	R, METAL MRS25 10 F
R113, R213	5241617420	R, METAL MRS25 10 F
R114, R214	5241622620	R, METAL MRS25 1.5K F
R115, R215	5241623420	R, METAL MRS25 3.3K F
R116, R216	5241623420	R, METAL MRS25 3.3K F
R117, R217	5241621620	R, METAL MRS25 560 F
R118, R218	5241624920	R, METAL MRS25 13K F
R119, R219	5241624920	R, METAL MRS25 13K F
R120, R220	5241624620	R, METAL MRS25 10K F
R121, R221	5241624620	R, METAL MRS25 10K F
R122, R222	5241616620	R, METAL MRS25 4.7 F
R123, R223	5241616620	R, METAL MRS25 4.7 F
R124, R224	5241624620	R, METAL MRS25 10K F
R125, R225	5241624620	R, METAL MRS25 10K F
R126, R226	5241624920	R, METAL MRS25 13K F
R127, R227	5241624920	R, METAL MRS25 13K F
R128, R228	5241621620	R, METAL MRS25 560 F
R129, R229	5241623420	R, METAL MRS25 3.3K F
R130, R230	5241623420	R, METAL MRS25 3.3K F
R131, R231	5241622620	R, METAL MRS25 1.5K F

MAIN PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
R132, R232	5241617420	R, METAL MRS25 10 F
R133, R233	5241617420	R, METAL MRS25 10 F
R134, R234	5241624120	R, METAL MRS25 6.2K F
R135, R235	5241624120	R, METAL MRS25 6.2K F
R136, R236	5241621620	R, METAL MRS25 560 F
R137, R237	5241621920	R, METAL MRS25 750 F
R139, R239	5241621620	R, METAL MRS25 560 F
R141, R241	5241622220	R, METAL MRS25 1.0K F
R142, R242	5241619820	R, METAL MRS25 100 F
R143, R243	5241623820	R, METAL MRS25 4.7K F
R144, R244	5241621020	R, METAL MRS25 330 F
R145, R245	5241623820	R, METAL MRS25 4.7K F
R146, R246	5241627020	R, METAL MRS25 100K F
R147, R247	5241625620	R, METAL MRS25 27K F
R148, R248	5241625620	R, METAL MRS25 27K F
R149, R249	5241627820	R, METAL MRS25 220K F
R150, R250	5241624620	R, METAL MRS25 10K F
R161	5241627020	R, METAL MRS25 100K F
R163	5241624620	R, METAL MRS25 10K F
S1	5300918300	SW, SLIDE SSSF1 1-2A
U1 , U2	5292210000	OPT. DATA LINK, GP1F32R
U3 , U4	5220051600	IC, TC74HC00AP
U5	5220054800	IC, TC74HC08AP
U6	5220051600	IC, TC74HC00AP
U7	5220051800	IC, TC74HC04AP
U8	5220057300	IC, TC74HC193AP
U9	S0015110	IC, TDA1315
U10	5220040800	IC, TC74HC74AP
U11 , U12	5220059900	IC, TC74HC164AP
U13	5220051800	IC, TC74HC04AP
U14	5220051600	IC, TC74HC00AP
U15	5220051600	IC, TC74HC00AP
U16	5220054800	IC, TC74HC08AP
U17	5220052200	IC, TC74HC86AP
U18	5220110200	IC, SM5840EP
U19	5232255620	TR, DTC114ES
U51	⚠ 13447943	IC, NJM78M05FA
U52	⚠ 13447961	IC, NJM79M05FA
U53	⚠ 13447947	IC, NJM78M12FA
U54	⚠ 13447965	IC, NJM79M12FA
U55	⚠ 13447943	IC, NJM78M05FA
U101, U201	5220110700	IC, SAA7350AGP
U102, U202	5220100800	IC, TDA1547
U103, U203	5220448100	IC, NJM2114L
U104, U204	5220448100	IC, NJM2114L
U105, U205	5232254720	TR, DTA114ES
U106, U206	5232255620	TR, DTC114ES
U108	5232254720	TR, DTA114ES
Z51	5224584921	D, ZENER RD5.1ESB2

DISPLAY PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*E95012600A	PCB ASSY, DISPLAY
	*E90012600A	PCB, DISPLAY
	5555590000	EARTH PLATE A
	*5801158000	LED SPACER, L=6
D501-D508	S0016502	LED, GL3HS8(C)SUNSET ORG
S501	5302108600	SW, TACT SKHVBE
U501	6048661000	IC, M54517P
U502	5220051800	IC, TC74HC04AP
W501	*E00063200A	HARNESS ASSY, KEY 11P

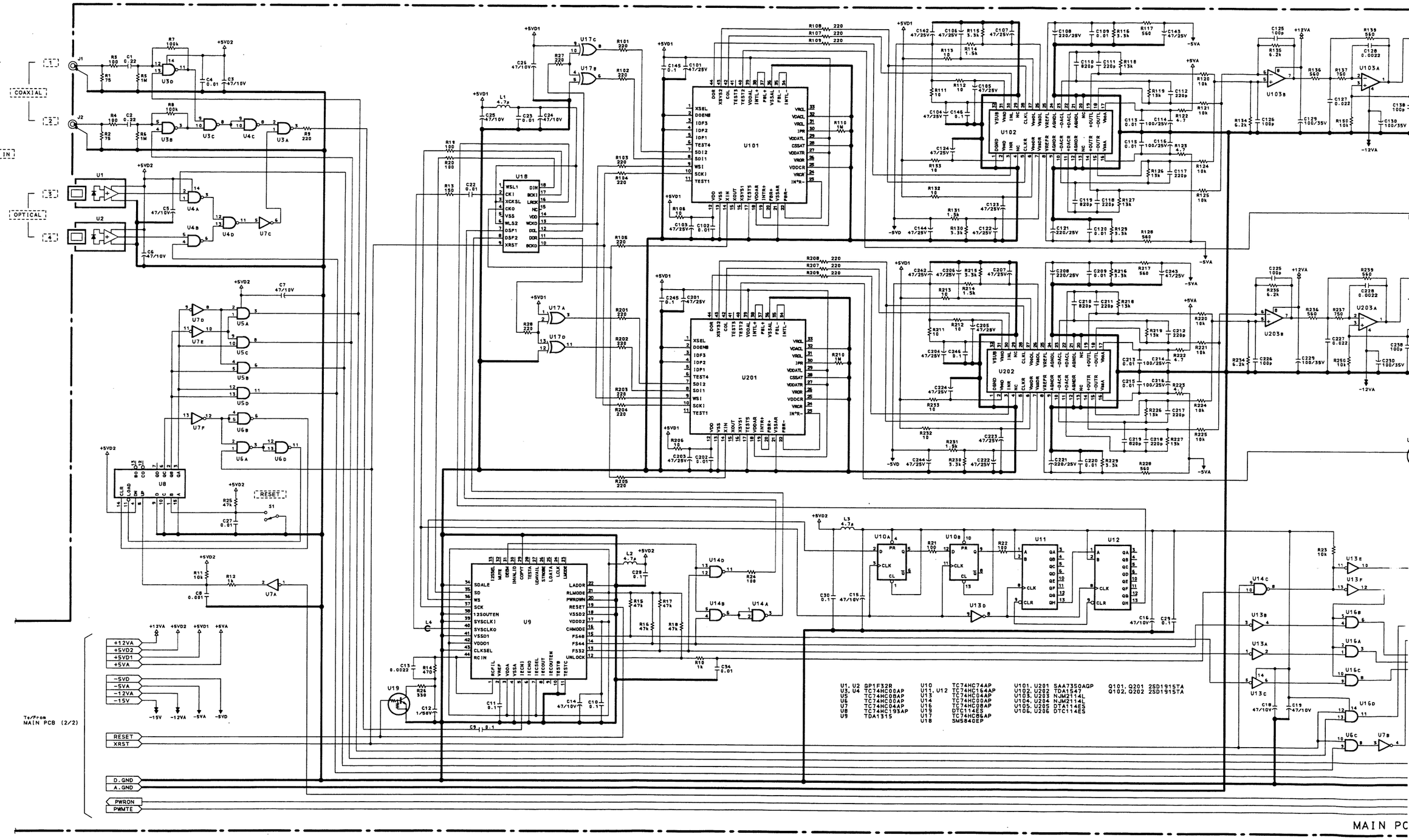
POWER PCB ASSY

REF. NO.		PARTS NO.	DESCRIPTION
		*E95012700A	PCB ASSY, POWER [J]
		*E95012730A	PCB ASSY, POWER [US, C, GE]
		*E95012740A	PCB ASSY, POWER [E]
		*E95012750A	PCB ASSY, POWER [UK]
		*E90012700A	PCB, POWER
		5332015800	FUSE HOLDER
		5327007200	LAPPING TERMINAL, 2P [E, UK]
C601	⚠	5267704100	SPARK KILLER, 0.0047UF 250V
C602, C603	⚠	5263167923	C, METAL 0.10UF 50V J
F601-F604	⚠	5307050200	FUSE, 2A SLOW BLOW[J, US, C, GE]
F601-F604	⚠	5307053100	FUSE, 2A TIME LAG [E, UK]
L602	⚠	5292806300	NOISE FILTER, FK0B16MH13
P601		*E00063000A	HARNESS ASSY, PWR 6P
S601	⚠	5300054700	SW, PUSH SDDLD1 1-1

VOLTAGE SELECTOR PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*E95012800A	PCB ASSY, VOLTAGE SELECTOR [US, C, GE]
	*E90012800A	PCB, VOLTAGE SELECTOR
	⚠ 5300918600	VOLTAGE SELECTOR

TEAC SCHEMATIC DIAGRAM D-T1



U1, U2 GP1F32R
U3, U4 TC74HC00AP
U5 TC74HC08AP
U6 TC74HC00AP
U7 TC74HC04AP
U8 TC74HC193AP
U9 TDA1315

U10 TC74HC74AP
U11, U12 TC74HC164AP
U13 TC74HC04AP
U14 TC74HC00AP
U16 TC74HC08AP
U15 DTC114ES
U17 TC74HC86AP
U18 SM5840EP

U101, U201 SAA7350AGP
U102, U202 TDA1547
U103, U203 NJM2114L
U104, U204 NJM2114L
U105, U205 DTA114ES
U106, U206 DTC114ES

Q101, Q201 2SD1915TA
Q102, Q202 2SD1915TA

INSTRUCTIONS FOR SERVICE PERSONNEL

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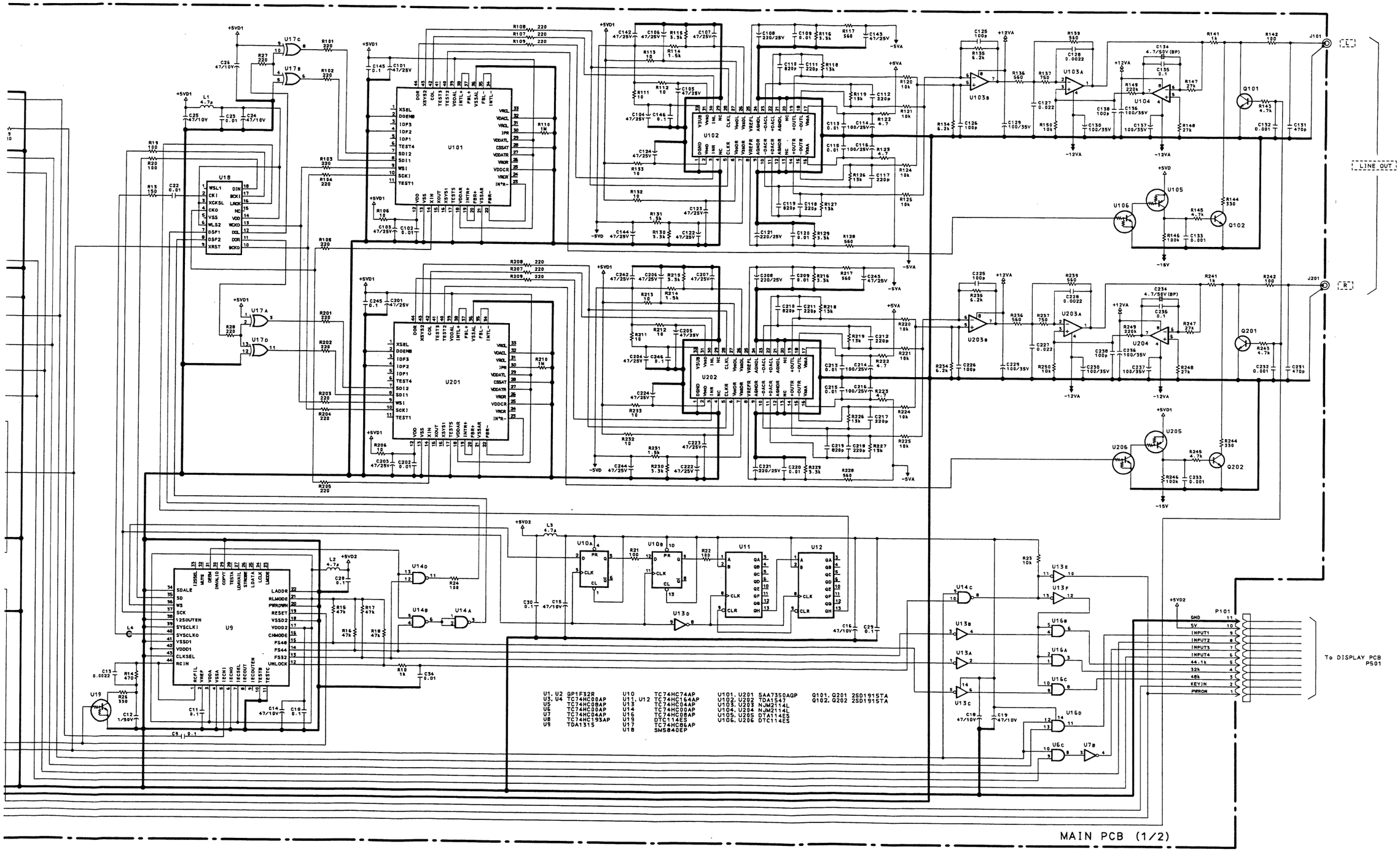

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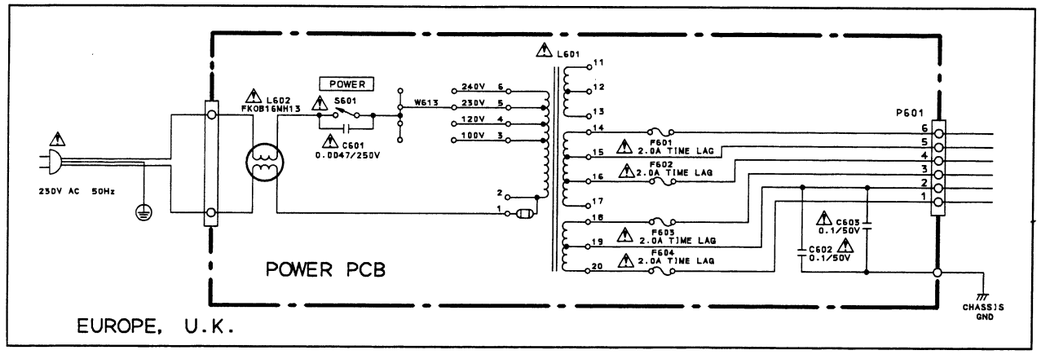
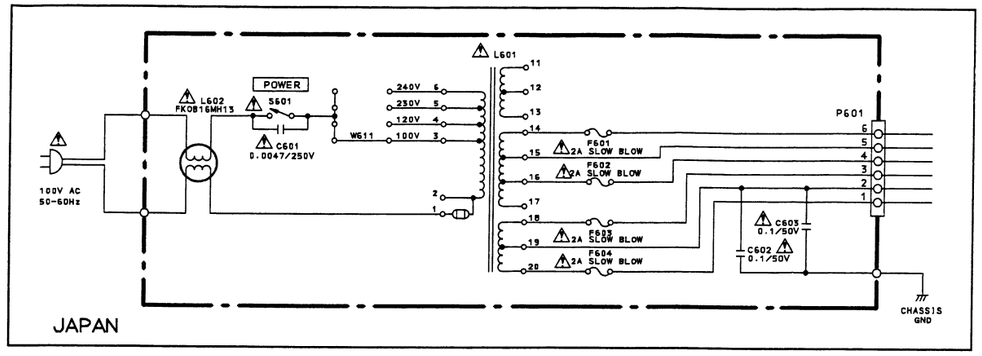
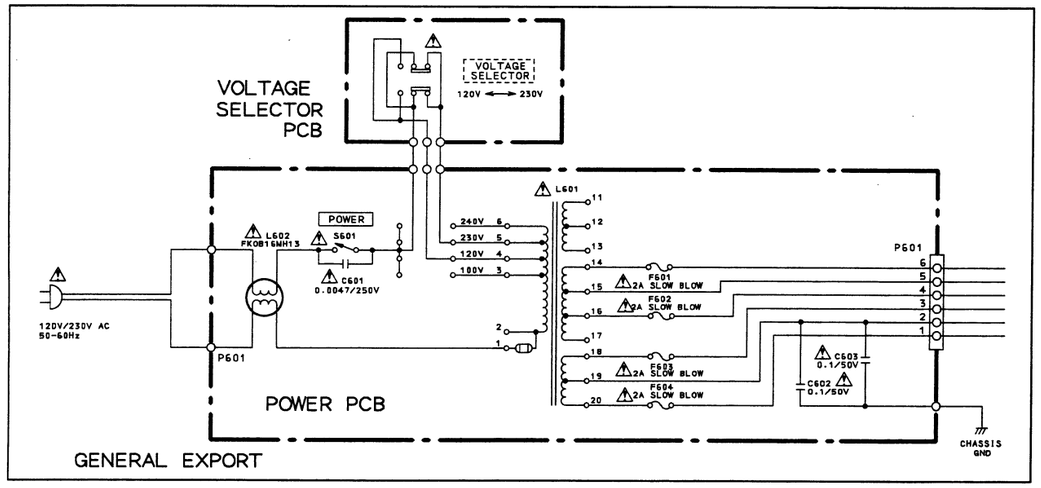
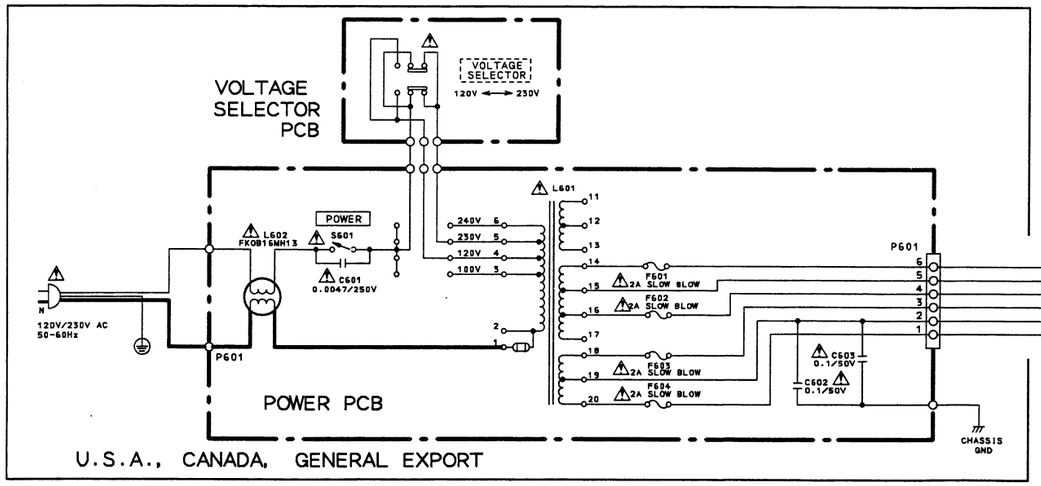
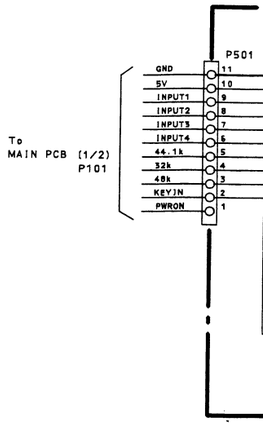
TEAC SCHEMATIC DIAGRAM D-T1





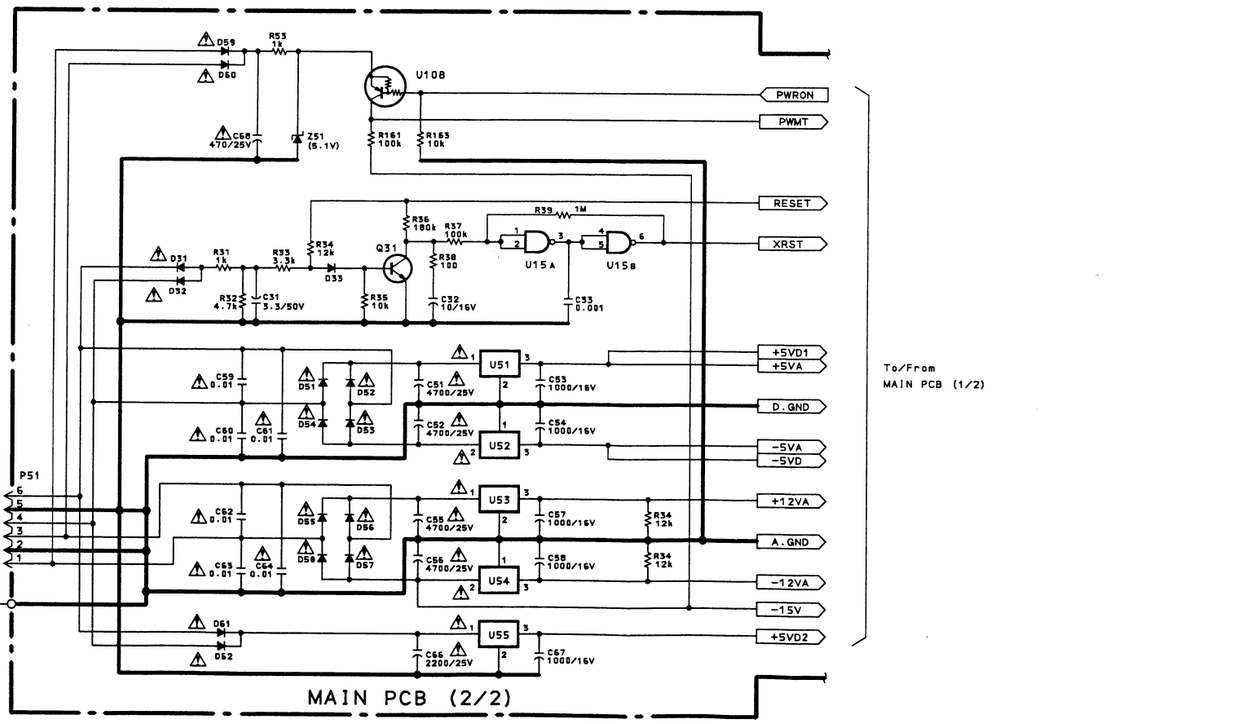






U15 TC74HC00AP
U51 NJM78M05FA
U52 NJM79M05FA
U53 NJM78M12FA
U54 NJM79M12FA
U55 NJM78M05FA
U108 DTA114ES

Q31 2SC1740SLN
D31, D32 S5688G
D33 1S2473 FT
D51-D58 FEID-G23(TA)
D59, D60 S5688G
D61, D62 FEID-G23(TA)
Z51 RDS.1ESB2



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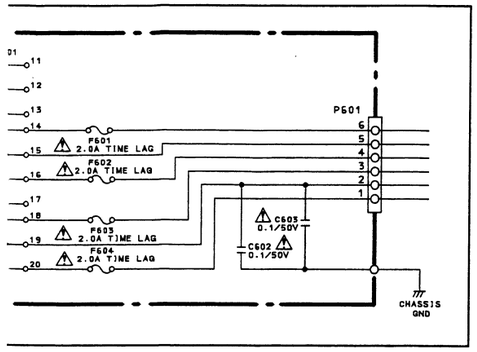

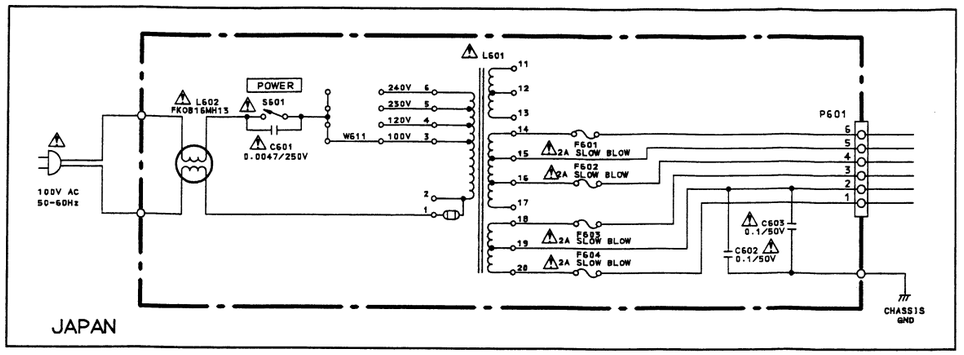

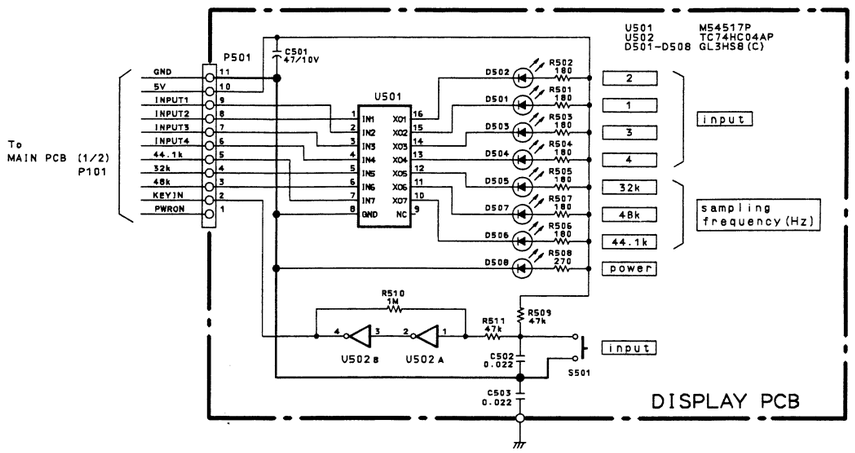

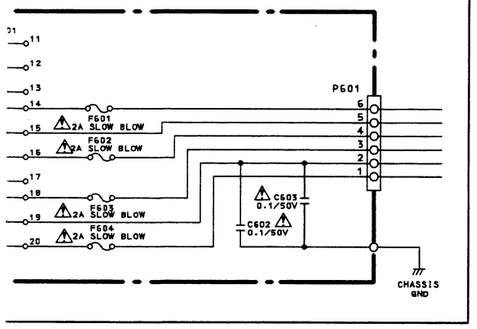

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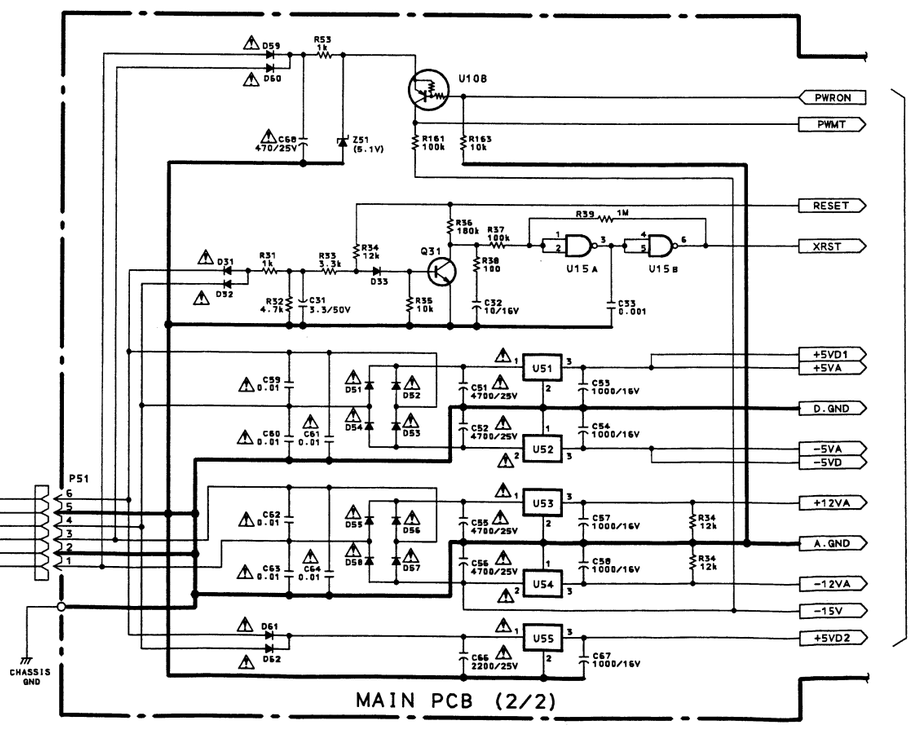

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Multi D/A Converter
1 st Issue; January 1995

INCLUDED ACCESSORIES 付属品

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
	*D00068500A	OWNER'S MANUAL, JPN [J]	
	*D00068600A	OWNER'S MANUAL, 6-LANG [US, C, GE, E, UK]	

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